



CERTIFIED MAIL
RETURN RECEIPT REQUESTED

March 23, 2004

ESH-ERP-2004-00063
(7099-3220-0003-3832-7257)

Mr. J. T. Litton, Director
Division of Waste Management
Bureau of Land and Waste Management
South Carolina Department of Health
and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

Dear Mr. Litton:

**2000 RCRA PART B PERMIT RENEWAL APPLICATION
VOLUME I, GENERAL INFORMATION
REVISION 5, JANUARY 2004**

Enclosed for your review and approval are two copies of the subject revised pages (Revision 5, dated January 2004) of Volume I of the 2000 RCRA Part B Permit Renewal Application. This modification is being submitted as discussed with your staff on March 3, 2004. Specifically, this revision includes the following changes:

- 1) Provides Part A revision 33 pages to be inserted into section A of Volume I.
- 2) Updates the status of the SRTC Mixed Waste Storage Tanks in the Appendix 4 Solid Waste Management Unit (SWMU) list

Please note that changes made to the 2000 Part B Permit Renewal Application have been denoted in **BOLD** or strike - through. Revision instructions are also included (Enclosure 2) to aid in updating the permit application.

We feel that this modification should be considered a Class 1 modification that requires SCDHEC approval.

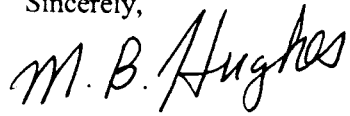
Revision 33 of the Part A is being submitted by a separate letter. This Part A modification removes the SRTC Tanks from the Part A.

A site specific checklist as required by SCHWMR R.61-79.270.10 (l) is not included with Volume I. Refer to the inspector checklists submitted with each of the other facility specific volumes of the Part B for information to satisfy this regulatory requirement.

Mr. John T. Litton
ESH-ERP-2004-00063
Page 2
March 23, 2004

Questions from your staff on the permit application modification may be directed to W. J. Maloney (803/725-1086).

Sincerely,



M. B. Hughes, Manager
Environmental Regulatory Policy Group
Environmental Services Section
Westinghouse Savannah River Company, LLC

wjm/aeo

Enc. (2) copies

Enclosure 1 – Rev. 5 pages

Enclosure 2 – revision instructions

c: N. Kumar, USEPA-Region IV (w/enclosure)
D. C. Taylor, USEPA-Region IV
O. Johnson, USEPA-Region IV
M. C. Reece, SCDHEC-Aiken (w/enclosure)
C. D. Rippy, SCDHEC-Columbia

Mr. John T. Litton
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Page 3
March 23, 2004

bc: A. B. Gould, DOE-SR, 730-B (concur)
 B. T. Hays, DOE-SR, 730-B (concur)
 D. F. Hoel, DOE-SR, 730-B (concur)
 L. Davis, DOE-SR, 730-B (concur)
 J. Bolen, DOE-SR, 730-B
 P. M. Allen, 742-A
 D. P. Skiff, 773-43A (concur)
 D. D. Hoel, 773-43A, (w/ 1 attach)
 L. Eldridge, 773-43A
 N. J. Lowry, 742-A
 J. W. Koch, 742-A
 W. J. Maloney, 742-A, (w/ 1 attach)
 A. R. Gough, 719-4A (concur)
 ERP File, 742-A
 Records Processing, 773-52A*

FILE INFO:

Resource Conservation & Recovery Act (RCRA)
10048
DOE 1-9.a
Permanent

* 1 copy of enclosure

Regulatory Document Preparation Summary and Approval

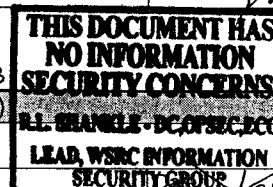
A. Document Preparation			
Document Title and No. <u>ESH-ERP-2004-00063</u> PART B			
Regulatory Agency Due Date <u>ASAP</u>			
Division and Department Preparing Document <u>ESH/ESS</u>			
Preparer and Title <u>W. Maloney</u>		Preparer's Signature <u>W. Maloney</u>	Date <u>12/9/03</u>
Date Document Received <u>12-9-03</u>		B. Review	
Review Actions <u>Reviewed letter and attachments.</u>			
Reviewer and Title <u>N. J. Lowry, Tech. Lead</u>		Reviewer's Signature <u>Nancy J. Lowry</u>	Date <u>12-9-03</u>
C. General Counsel Office (GCO) Review			
Date Document Received <u>1/8/04</u>		<input type="checkbox"/> Comments Resolved (If Any)	
Review Actions <u>Similar to E Cm 6.1</u>			
GCO Reviewer and Title <u>Ann R. Golden, Senior Counsel</u>		Signature <u>[Signature]</u>	Date <u>12/8/04</u>
D. M&O Approvals			
Signature <u>MB Hughes</u>	M. B. Hughes	Date <u>12/9/03</u>	
Signature <u>DP Skiff</u>	D. P. Skiff	Date <u>12/16/03</u>	
Signature <u>T.W. Griffin</u>	T. W. Griffin	Date <u>1-5-04</u>	
Signature <u>M.J. Swain</u>	M. J. Swain	Date <u>1-6-04</u>	
Signature <u>P. M. Allen</u>	P. M. Allen	Date <u>1-8-04</u>	
E. DOE-SR Concurrence			
Concurrence Required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
DOE Signing Official's Name and Title (Print Name)	Division	Approval Initials	Date
<u>John Shaffer</u>	<u>EQMD</u>	<u>[Initials]</u>	<u>1/30/04</u>
<u>J. M. Simmons - mixed hazardous waste program mgr</u>	<u>WDPD</u>	<u>[Initials]</u>	<u>1-29-04</u>
<u>ALICE David Field Eng. Sci</u>	<u>EQMD</u>	<u>[Initials]</u>	<u>1-30-04</u>
<u>David Noel</u>	<u>EQMD</u>	<u>[Initials]</u>	<u>1-30-04</u>
Comments			

Regulatory Document Preparation Summary and Approval

A. Document Preparation			
Document Title and No.		PART B	
Regulatory Agency Due Date		ESH-ERP-2004-00063-	
Division and Department Preparing Document		ASAP	
Preparer and Title	Preparer's Signature	Date	
ESH/ESS <i>W. Maloney</i>	<i>W. Maloney</i>	12/9/03	
B. Review			
Date Document Received		12-9-03	
Review Actions <i>Reviewed letter and attachments.</i>			
Reviewer and Title	Reviewer's Signature	Date	
<i>N. J. Lowry, Tech. Lead</i>	<i>Nancy J. Lowry</i>	12-9-03	
C. General Counsel Office (GCO) Review			
Date Document Received	<input type="checkbox"/> Comments Resolved (If Any)		
11/8/04			
Review Actions <i>Similar to ECM6.1</i>			
GCO Reviewer and Title	Signature	Date	
<i>Ann R. Goussin, Senior Counsel</i>	<i>Ann R. Goussin</i>	12/9/04	
D. M&O Approvals			
Signature	M. B. Hughes	Date	
<i>M.B. Hughes</i>		12/9/03	
Signature	D. P. Skiff	Date	
<i>D.P. Skiff</i>		12/16/03	
Signature	T. W. Griffin	Date	
<i>T.W. Griffin</i>		1-5-04	
Signature	M. J. Swain	Date	
<i>M.J. Swain</i>		1-6-04	
Signature	P. M. Allen	Date	
<i>P.M. Allen</i>		1-8-04	
E. DOE-SR Concurrence			
Concurrence Required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
DOE Signing Official's Name and Title (Print Name)	Division	Approval Initials	Date
Comments			

Westinghouse Savannah River Company Document Approval Sheet

Document No. WSRC-IM-98-30	
Requested Approval Date 1/15/04	
Primary Author/Contact W. MALONEY	Location 742A
Phone No. 51086	Position ENG.
Organization Code YIF200	User ID 08567
Organization (No Abbreviations) ENV. SERVICES SECTION	
Other Authors	
Key Words (list 3)	
Has an invention disclosure, patent application or copyright application been submitted related to this information? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, date submitted _____	
Disclosure No. (If Known) _____ Title _____	
If no, do you intend to submit one? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, projected date _____	
Information Product Description <input type="checkbox"/> Technical Report <input type="checkbox"/> Semiannual <input type="checkbox"/> Annual <input type="checkbox"/> Final <input type="checkbox"/> Topical <input checked="" type="checkbox"/> Other PART B <input type="checkbox"/> Administrative Report <input type="checkbox"/> Semiannual <input type="checkbox"/> Annual <input type="checkbox"/> Final <input type="checkbox"/> Topical <input type="checkbox"/> Other _____ <input type="checkbox"/> Videotape/Multimedia <input type="checkbox"/> External Web Page URL _____ <input type="checkbox"/> Brochure/Booklet <input type="checkbox"/> Procedure/User Guide <input type="checkbox"/> Drawing <input type="checkbox"/> Software Package (for submission to ESTSC)	
<input type="checkbox"/> Journal Article Journal Name _____ <input type="checkbox"/> Book/Book Chapter Book Name _____ Conference Submission* <input type="checkbox"/> Abstract <input type="checkbox"/> Conf. Paper <input type="checkbox"/> Conf. Proceeding <input type="checkbox"/> Slides/poster/display <input type="checkbox"/> Other _____ *Conference Title _____ *Conference Location (City, State, Country) _____ *Conference Dates _____ m/d/y thru _____ m/d/y *Conference Sponsor _____	
References <input type="checkbox"/> Approved for Release/Publicly Available <input type="checkbox"/> Included as Attachment(s) <input type="checkbox"/> Routing Concurrently <input type="checkbox"/> Other _____ <input type="checkbox"/> STI Concurrence _____	
I understand that for the information in this material to be given external distribution, approvals by both WSRC and, as appropriate, DOE-SR are required. Distribution (verbally or published) must be in accordance with policies set forth in WSRC management requirements and procedures (MRP 3.25) and in DOE-SR orders, and the content of the external distribution must be limited to that actually approved. <div style="display: flex; justify-content: space-between;"> W. MALONEY Author's Name (Print) [Signature] Author's Signature 12/9/03 Date </div>	
Approvals by Author's Organization	
Derivative Classifier W. MALONEY	Classification U
Intended Distribution <input checked="" type="checkbox"/> Unlimited (release to public) <input type="checkbox"/> Limited (see explanation)	Topic ENVIRONMENTAL PART B Explanation for Limited Dist. <input type="checkbox"/> Site Use Only <input type="checkbox"/> Corporate/University Partner <input type="checkbox"/> Other DOE facility(ies) only <input type="checkbox"/> Other _____
I understand and have considered whether any potential intellectual property rights (patents, copyrights, etc., in accordance with MP 1.09 and MRP 1.07) or any contractual barriers (CRADAs, Work for Others, etc.) may be involved before authorizing that this document be proposed for public release. If any concerns were identified, these have been discussed and resolved with General Counsel. <div style="display: flex; justify-content: space-between;"> W. MALONEY Manager's Name (Print) [Signature] Manager's Signature 12/9/03 Date </div>	
WSRC Classification Office Reviews	
Classification/EC/OPSEC <input type="checkbox"/> Overall <input type="checkbox"/> S <input type="checkbox"/> C <input type="checkbox"/> UONI <input checked="" type="checkbox"/> U <input type="checkbox"/> Title <input type="checkbox"/> S <input type="checkbox"/> C <input type="checkbox"/> UONI <input checked="" type="checkbox"/> U <input type="checkbox"/> Export Control Concerns <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> OPSEC Concerns <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
WSRC Classification Officer/Analyst	
Name W. MALONEY Signature [Signature] Date 12/9/03 Comments RLS 12/21/03	
Export Control Review (If different than above)	
Name _____ Signature _____ Date _____	
OPSEC Reviewer (If different than above)	
Name W. MALONEY Signature [Signature] Date 12/9/03	
Computer Security	
Signature _____ Date _____	
STI Program Use Only	
OSTI Subj. Category No. _____	Routing EC/class/OPSEC



STI/WSRC/Srs
Sent by: Catherine Witker

12/29/2003 08:36 AM

To William Maloney/WSRC/Srs@Srs
cc
bcc
Subject WSRC-IM-98-30, Vol. I, Rev 5

This e-mail is to inform you that the document WSRC-IM-98-30, Vol. I, Rev 5, 2000 RCRA Part B Permit Renewal Vol. I, Rev 5 has been approved for release.

The document and copy of the approval documentation are being sent to you via Site mail.

Thanks,
Cathie Witker
Scientific and Technical Information (STI)
703-43A
5-2646



March 23, 2004

Ms. Pauline Conner
Office of Chief Counsel
U.S. Department of Energy
P.O. Box A
Aiken, South Carolina 29802

Dear Ms. Conner:

DOCUMENTS FOR THE DOE READING ROOM (U)

The following document contains supporting information for the Savannah River Site's (SRS) Resource Conservation and Recovery Act (RCRA) 2000 Part B Permit Renewal Application:

1. *WSRC-IM-98-30, 2000 RCRA Part B Permit Renewal Application, Volume I General Information, Rev. 5, dated 1/2004*

This RCRA permit application (item #1) and the supporting documents have been submitted to SCDHEC for approval. Para R.61-79.124.10(c)(5)(v) of the South Carolina Hazardous Waste Management Regulations requires that these documents be placed in a public library as part of the public participation process. These documents must remain in the library until this application and all subsequent modifications of them are approved. I estimate that these documents will have to remain in the library until approximately 2015. Please ensure they are made available to the public in the DOE Reading Room at the University of South Carolina-Aiken as soon as possible.

If you have any questions, please call me at 803-725-1086.

Sincerely,

A handwritten signature in black ink, appearing to read 'Bill Maloney'.

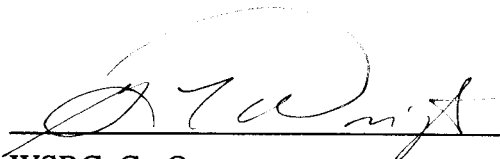
Bill Maloney
Environmental Services Section

c: J. Wingard, 703-45A
J. Koch, 742-A

K. CERTIFICATION

[REF: R.61-79.270.11]

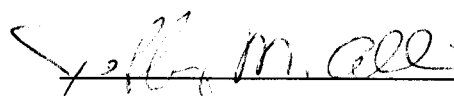
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



WSRC, Co-Operator
G. T. Wright, Manager
Savannah River Technology Center

2/12/04

Date Signed



DOE-SR; Owner and Co-Operator
Jeffrey M. Allison
Manager

3/18/04

Date Signed



William Maloney/WSRC/Srs
03/23/2004 04:25 PM

To Lyddie Broussard/WSRC/Srs@Srs
cc
bcc
Subject environmental Bulletin

Hi Lyddie,
I just issued and Part B mod and need an Environmental Bulletin to go out sometime in the next 90 days.
The suggested wording for the notice is:

Title: SRTC Mixed Waste Tanks Modification Requested

The Department of Energy (DOE)-Savannah River Operations Office has requested from the South Carolina Department of Health and Environmental Control (SCDHEC) modifications to Savannah River Site's (SRS) 1992 Resource Conservation and Recover Act (RCRA) Part B Permit Renewal Application for Volume I. This volume of the application provides information common to all of the Hazardous Waste Management Units at SRS.

The revision (rev 5 and 9 of Volume I) proposed deleting the SRTC Mixed Waste Tanks from the Part A and updating the SRTC Mixed Waste Tanks information presented in Appendix 4 Solid Waste Management Units (SWMU) list. This modification request is considered to be Class 1 modification that requires SCDHEC approval

More information, including the actual permit applications, is available for review and copying at the DOE Public Reading Room located in the University of South Carolina-Aiken Library, or by contacting personnel identified in this notice

For additional information, contact Jim Moore, Westinghouse Savannah River Company, Savannah River Site, 742-A, Aiken, SC 29808 or J. T. Litton, Director, Division of Waste Management, South Carolina Department of Health and Environmental Control, 2600 Bull Street, Columbia, SC 29201-1708.

Don't make a special bulletin issuance for this. Just combine it with one of the others that has to go out in the next month or so to save a bit of money. Let me know if you have any questions.

Thanks,
Bill Maloney
725-1086 (beeper 14368)

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

JOHN T LITTON PE
DIVISION OF WASTE MANAGEMENT
BUREAU OF LAND / WASTE MANAGEMENT
SOUTH CAROLINA DEPARTMENT OF HEALTH &
ENVIRONMENTAL CONTROL
2600 BULL STREET
COLUMBIA SC 29201-1708

2. Article Number (Copy from service label)

7099322000338327257

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

SH-ERP-2004-00063 Vol 1 Part B News 7099-3220-0003-3832-7257

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

C. Signature *Maurice S. Mayo* ☐ Agent ☐ Addressee

X ☐ Registered ☐ Return Receipt for Merchandise

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type

- ☒ Certified Mail ☐ Express Mail
- ☐ Registered ☐ Return Receipt for Merchandise
- ☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)

Article Sent To:

Postage \$

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Return Receipt Fee
(Endorsement Required)

Restricted Delivery Fee
(Endorsement Required)

Total Postage & Fees \$

Postmark
Here

Name (Please Print Clearly) (To be completed by mailer)

John Litton

Street, Apt. No.; or PO Box No.

City, State, ZIP+ 4

PS Form 3800, July 1999

See Reverse for Instructions

ed Mail Provides:

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NT: Save this receipt and present it when making an inquiry.

00, July 1999 (Reverse)

102595-99-M-1938

Enclosure 2 - ESH-ERP-2004-00063
Revision 5 Page Insertion Instructions
2000 RCRA Part B Permit Renewal Application
Vol. I – General Information

Please remove and insert the following pages to the 2000 RCRA Part B Permit Renewal Application for Volume I – General Information.

Remove these pages from Volume I.	Insert these pages into Volume I from the attached permit application.
List of Revisions, pages 1/2	List of Revisions, pages 1/2
Section A, pages 1/1a	Section A, pages 1/1a
Section A, pages 3/4	Section A, pages 3/4
Section A, pages 4a/4b	Section A, pages 4a/4b
Section A, pages 4k/4l	Section A, pages 4k/4l
Section A, pages 4q/4r	Section A, pages 4q/4r
Section A, pages 7c– 7d	Section A, pages 7c– 7d
Section A, pages 7g– 7h	Section A, pages 7g– 7h
Section A, pages 7i – 7l	Section A, pages 7i – 7l
Pages K-1/K-2	Pages K-1/K-2
Pages Appx 4-101/102	Pages Appx 4-101/102

LIST OF REVISIONS

<u>Revision #</u>	<u>Revision Date</u>	<u>Pages Affected</u>
0	March 2000	All
1	January 2002	1, i, ii, iii, iv, v, viii, ix, x, xi, Hazardous Waste Permit Application Part A Rev. 27, B-4, B-8, B-9, B-11, C-1, C-2, C-3, C-4, C-5, C-7, C-8, C-9, C-10, C-11, C-12, D-2, D-3, D-5, D-6, D-7, D-8, D-9, D-10, D-11, D-12, E-4, E-5, E-6, E-7, E-8, E-9, E-10, E-11, E-12, E-13, E-14, E-15, E-16, E-17, E-18, E-19, E-20, E-21, E-22, E-23, E-24, E-24a, E-24b, F-1, F-2, F-4, F-5, F-7, F-8, F-8a, F-8b, F-16, F-17, G-8, G-9, G-10, G-11, G-12, G-13, G-14, G-15, G-16, G-17, G-18, G-19, G-20, G-21, G-21a, G-21b, G-22, G-31, G-32, G-33, G-34, G-36, G-37, H-2, H-3, H-4, H-5, H-6, H-7, H-8, H-9, H-10, H-15, I-2, I-3, I-4, K-1, Appendix 4
2	April 2002	1, viii, Hazardous Waste Permit Application Part A Rev. 28, B-8, D-1, D-2, D-7, E-52, F-7, G-12, G- 21b, G-21c, G-21d, G-36, G-37, H-10, I-2, I-3, I-4, K-1, 4-10

<u>Revision #</u>	<u>Revision Date</u>	<u>Pages Affected</u>
3	June 2003	2, iii, vii-ix, Section A (i, 1a, 4, 4a, 4h, 4k, 4s, 6bi.2, 7c, 7f, 7i, 7l), B-5, B-7, B-9, C-8, C-9, D-7, D-8, F-15 to F-23, G-4, G-5, G-21c, G-22, G-24, G-25, G-29, G-30, G-40, G-41, H-6, H-17, I-1, K-1, L-1, Appendix 4
4	September 2003	2, i-vi, Section A (4, 4a, 4g, 4i, 4s, 6bg, & 7L), B-7 to B-9, C-3, C-5, C-9 to C-14, D-10 to D-16, F-16, I-1 & K-1
5	January 2004	2, Section A (1-1a, 4, 4a, 4k, 4q, 7c, 7g, 7i, & 7l), K-1 & Appx. 4-102

United States Environmental Protection Agency
Washington, DC 20460

Hazardous Waste Permit Application Part A

(Read the Instructions before starting)

OSR 41-7# (Rev 6-13-95)	
For EPA Regional Use Only	
Date Received	
Month	Day Year

I. Installation's EPA ID Number (Mark 'X' in the appropriate box)☐ A. First Part A Submission☒ B. Part A Amendment # 27**C. Installation's EPA ID Number****D. Secondary ID Number (If applicable)**

S C I 8 9 0 0 0 8 9 8 9

II. Name of Facility

S A V A N N A H R I V E R S I T E

III. Facility Location (Physical address not P.O. Box or Route Number)**A. Street**

H W Y 1 2 5

Street (Continued)**City or Town****State****Zip Code**

J A C K S O N S C 2 9 8 3 1 -

**County Code
(If known)****County Name**

A I K E N A L L E N D A L E B A R N W E L L

3. Land Type**C. Geographic Location**

LATITUDE (Degrees, Minutes, & Seconds) LONGITUDE (Degrees, Minutes, & Seconds)

D. Facility Existence Date

Month Day Year

(Enter Code) 3 3 1 5 0 0 0 0 8 1 4 0 0 0 0 0 9 2 9 1 9 8 0

IV. Facility Mailing Address**Street or P.O. Box**

P O S T O F F I C E B O X A

City or Town**State****Zip Code**

A I K E N S C 2 9 8 0 2 -

V. Facility Contact (Person to be contacted regarding waste activities at facility)**Name (Last)****(First)**

G O U L D A . B .

Job Title**Phone Number (Area Code and Number)**

D I R . - E N V I R C O M P 8 0 3 - 9 5 2 - 9 3 2 3

VI. Facility Contact Address (See instructions)**A. Contact Address**

Location Mailing Other

B. Street or P.O. Box

X P O S T O F F I C E B O X A

City or Town**State****Zip Code**

I K E N S C 2 9 8 0 2 -

III. C Geographic Location: The latitude and longitude of each hazardous waste management facility covered by this application is provided below.

<u>Facility</u>	<u>Location of Facility</u>					
	<u>Latitude</u>			<u>Longitude</u>		
	<u>(Degrees-Minutes-Seconds)</u>					
Hazardous Waste Storage Facility (Bldgs. 645-N, 645-2N, 645-4N, SWSP 1, 2, & 3)	33	15	04	81	39	38
Hazardous Waste Storage Facility (Bldg. 710-B)	33	17	17	81	43	27
F-Area HWMF (Seepage Basins & Process Sewer Line)	33	16	36	81	40	44
H-Area HWMF (Seepage Basins & Process Sewer Line)	33	16	52	81	39	09
M-Area HWMF (Settling Basin, Overflow Ditch, Seep Area, Process Sewer Line, and Lost Lake)	33	19	52	81	44	13
Mixed Waste Storage Building 643-29E	33	17	06	81	39	21
Mixed Waste Oil (Tritiated) Storage Tank S-32	33	18	23	81	39	41
Transuranic (TRU) Waste Pads 1-5	33	39	12	81	15	25
Transuranic (TRU) Waste Pads 6-13	33	39	04	81	15	28
SRFC Mixed Waste Storage Tanks	33	20	43	81	44	09
Mixed Waste Management Facility	33	17	10	81	40	10
Metallurgical Laboratory HWMF	33	21	01	81	44	00
F-Area Acid/Caustic Basin	33	17	19	81	40	22
H-Area Acid/Caustic Basin	33	17	08	81	38	43
K-Area Acid/Caustic Basin	33	12	47	81	39	28
P-Area Acid/Caustic Basin	33	13	52	81	34	31

vi. Nature of Business (Provide a brief description)

XII. Process Codes and Design Capacities

- | PROCESS CODE | PROCESS | APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY | PROCESS CODE | PROCESS | APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY |
|--------------|--------------------------------|---|--------------|--|---|
| | <u>Disposal</u> | | | | |
| D79 | Underground injection | Gallons; Liters; Gallons Per Day; or Liters Per Day | T87 | Smelting, Melting, Or Refining Furnace | Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour |
| D80 | Landfill | Acre-feet or Hectare-meter | T88 | Titanium Dioxide Chloride Process Oxidation Reactor | |
| D81 | Land Treatment | Acres or Hectares | T89 | Methane Reforming Furnace | |
| D82 | Ocean Disposal | Gallons Per Day or Liters Per Day | T90 | Pulping Liquor Recovery Furnace | |
| D83 | Surface Impoundment | Gallons or Liters | T91 | Combustion Device Used in The Recovery Of Sulfur Values From Spent Sulfuric Acid | |
| D99 | Other Disposal | Any Unit of Measure Listed Below | T92 | Halogen Acid Furnaces | |
| | <u>Storage</u> | | T93 | Other Industrial Furnaces Listed in 40 CFR § 260.10 | |
| S01 | Container (Barrel, Drum, Etc.) | Gallons or Liters | T94 | Containment Building-Treatment | Cubic Yards or Cubic Meters |
| S02 | Tank | Gallons or Liters | | <u>Miscellaneous (Subpart X)</u> | |
| S03 | Waste Pile | Cubic Yards or Cubic Meters | X01 | Open Burning/Open Detonation | Any Unit of Measure Listed Below |
| S04 | Surface Impoundment | Gallons or Liters | X02 | Mechanical Processing | Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; or Kilograms Per Hour |
| S05 | Drip Pad | Gallons or Liters | | | Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour |
| S06 | Containment Building-Storage | Cubic Yards or Cubic Meters | X03 | Thermal Unit | Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour |
| S99 | Other Storage | Any Unit of Measure Listed Below | X04 | Geologic Repository | Cubic Yards or Cubic Meters |
| | <u>Treatment</u> | | X99 | Other Subpart X | Any Unit of Measure Listed Below |
| T01 | Tank | Gallons Per Day or Liters Per Day | | | |
| T02 | Surface Impoundment | Gallons Per Day or Liters Per Day | | | |
| T03 | Incinerator | Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; or Btu's Per Hour | | | |
| T04 | Other Treatment | Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour | | | |
| T80 | Boiler | Gallons or Liters | | | |
| T81 | Cement Kiln | Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour | | | |
| T82 | Lime Kiln | Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour | | | |
| T83 | Aggregate Kiln | Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour | | | |
| T84 | Phosphate Kiln | Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour | | | |
| T85 | Coke Oven | Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour | | | |
| T86 | Blast Furnace | Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour | | | |

UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons	G
Gallons Per Hour	E
Gallons Per Day	U
Liters	L
Liters Per Hour	H
Liters Per Day	V

UNIT OF MEASURE	UNIT OF MEASURE CODE
Short Tons Per Hour	D
Metric Tons Per Hour	W
Short Tons Per Day	N
Metric Tons Per Day	S
Pounds Per Hour	J
Kilograms Per Hour	R

UNIT OF MEASURE	UNIT OF MEASURE CODE
Cubic Yards	Y
Cubic Meters	C
Acres	B
Acres-feet	A
Hectares	Q
Hectare-meter	F
Btu's Per Hour	I

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EPA ID Number (Enter from page 1)

Secondary ID Number (Enter from page 1)

S C 1 8 9 0 0 0 8 9 8 9

XII. Process Codes and Design Capabilities (Continued)

EXAMPLE FOR COMPLETING ITEM XII (Shown in line number X-1 below): A facility has a storage tank, which can hold 533.788 gallons.

Line Number	A. Process Code (From list above)				B. PROCESS DESIGN CAPACITY		C. Process Total Number of Units	For Official Use Only
					1. Amount (Specify)	2. Unit Of Measure (Enter Code)		
X 1	S	0	2		5 3 3 . 7 8 8	G	0 0 1	
1	D	8	0		1 ,3 9 6 . 0	A	0 0 2	
2					.			
3	D	8	3		55 ,0 7 5 ,0 0 0 .	G	0 0 4	
4					.			
5	T	0	1		0 0 0 .	U	0 0 0	
6	T	0	1		0 .	U	0 0 0	
7					.			
8	T	0	3		1 . 2 1 3	D	0 0 1	
9					.			
1 0	T	0	4		3 5 ,9 0 8 .	U	0 0 4	
1 1					.			
1 2					.			
1 3					.			

NOTE: If you need to list more than 13 process codes, attach additional sheet(s) with the information in the same format as above.
Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in item XIII.

XIII. Other Processes (Follow instructions from item XII for D99, S99, T04 and X99 process codes)

Line Number (Enter #s in seg w/XII)	A. Process Code (From list above)				B. PROCESS DESIGN CAPACITY		C. Process Total Number of Units	D. Description of Process
					1. Amount (Specify)	2. Unit Of Measure (Enter Code)		
X 1	T	0	4		.			In-situ Vitrification
1	T	0	4		4 ,4 8 9 .	U	001	Hazardous waste storage bldg 710-B pH adjustment, filtration, & compaction
2	T	0	4		1 7 ,9 5 0 .	U	001	TRU Pads 2-19 pH adjustment, absorption, filtration, deact, debris treatment, & stabiliz
3	T	0	4		8 ,2 2 9 .	U	001	Hazardous waste storage bldg N-Area pH adjustment, absorption, filtration, & compaction
4	T	0	4		5 ,2 4 0 .	U	001	Mixed waste storage buildings pH adjustment, & absorption

XII. PROCESS CODES

Pg 4. LINE NO. 7 (S02-tank storage) INCLUDES:

<u>Facility</u>	<u>Capacity/Gallons</u>	<u>Number Units</u>
# Mixed Waste Oil (Tritiated) Storage Tank S-32	0	0
## SRTC Mixed Waste Storage Tanks	52,310	2
Total	0	0

MW Oil Storage Tank S-32 was emptied, steam cleaned, flushed with hot water, verified to be empty of all condensate/flush water and filled with concrete. In our opinion, there were no waste or residues remaining at the time the tank was grouted, therefore we feel that this tank was clean closed. The closure certification and report was sent to SCDHEC on 9/7/1988 (ref 9/7/1988 DOE-SR letter, S. R. Wright to W. W. Culler) and as discussed between W. Whitaker of DOE-SR and Alan Coffey of SCDHEC. SCDHEC never sent a letter to SRS concurring with the report. Tank S-32 is located in the vicinity of the Solvent tanks 23-30 within the Low Level Rad Waste Disposal Facility (LLRWDF) at the burial ground. This is within the boundary of the Mixed Waste Management Facility (MWMF) which has groundwater monitoring, however the MW Oil Storage Tank S-32 does not have groundwater monitoring specific to this unit. The MWMF groundwater is known to be contaminated and will be remediated. Refer to the MWMF Part B for further information concerning the contamination and corrective action to be taken.

~~## These tanks represent 2 storage units (one high level waste group and one low level waste group of tanks) as the tanks are adjacent to each other, are piped together, and are operated by the same persons using the similar procedures/plans.~~

XII. PROCESS CODES

Pg 4. LINE NO. 8 (S02-tank storage) INCLUDES:

<u>Facility</u>	<u>Capacity/Gallons</u>	<u>Number Units</u>
** CIF Tank Storage Areas	33,400	2
Burial Ground Solvent Tks S23-S30	0 ##	8
# Solvent Storage Tanks S33-S36	<u>120,000</u>	<u>4</u>
Total	153,400	14

** The Consolidated Incineration Facility Tank Storage Areas includes: (1) the CIF Tank Farm for influent waste streams (two 6500-gallon tanks and two 4200-gallon tanks) and the Scrubber Blowdown Storage Tanks for scrubber blowdown waste (two 6000-gallon tanks). To facilitate final treatment and disposal of the scrubber blowdown waste, the Scrubber Blowdown Storage Tanks will also serve as treatment tanks (T01) for pH-adjustment.

These tanks represent 2 storage units (one influent waste group and one scrubber blowdown group of tanks) as the tanks are within close proximity of each other, are piped together, and are operated by the same persons using the similar procedures/plans.

~~* This includes 8 tanks (S23 - S30) at 25,000 gal capacity each.~~

This includes 4 tanks (S33-S36) at 30,000 gal capacity each. Solvent Tank S-37 was deleted from the Part A in rev 9 in 1993 and was never built. The correct capacity for Tanks S33-36 is 120,000 gal as shown in the current Part A has no change was made.

~~This includes 8 tanks (S23 - S30) at 25,000 gal capacity each. They Solvent Tanks S23-30 were emptied, triple rinsed, emptied (with the exception of small heal of rinse water) and filled with concrete. In our opinion, there were no waste or residues remaining at the time the tank was grouted, therefore we feel that this tank was clean closed.~~ SCDHEC never sent a letter to SRS concurring with the closure. Tanks S-23-30 are located within the Low Level Rad Waste Disposal Facility (LLRWDF) at the burial ground. This is within the boundary of the Mixed Waste Management Facility (MWMF) which has groundwater monitoring, however the Solvent Tanks S23-30 do not have groundwater monitoring specific to this unit. The MWMF groundwater is known to be contaminated and will be remediated. Refer to the MWMF Part B for further information concerning the contamination and corrective action to be taken.

XII. PROCESS CODES

Pg 4a. LINE NO. 6 (T01-Treatment in tanks) INCLUDES:

<u>Facility</u>	<u>Gallons/day</u>	<u>Number Units</u>
** SRTE MWST	14,400	0 *
Total	0	0

~~* Integral with tank storage, therefore it was counted as part of storage unit.~~

~~** This includes the reduction pretreatment, ion exchange resin apparatus and mixer. At the maximum design capacity of 10 GPM, this translates to a max of 14,400 GPD. In addition, treatment for pH adjustment may occasionally be necessary. The max design capacity for pH adjustment is 11,800 GPD. This is based upon treatment of max of two 5,900 Gal tanks per day. The 11,800 GPD pH adjustment capacity capacity is part of the 14,400 GPD (not in addition to).~~

XII. PROCESS CODES

Pg 4a, LINE NO. 8 (T03-incineration) INCLUDES:

<u>Facility</u>	<u>Capacity/Tons per Hour</u>	<u>Number Units</u>
* Consolidated Incineration Facility	<u>1.213</u>	<u>1</u>

Total	1.213	1
-------	-------	---

- * The Consolidated Incineration Facility (CIF) will **treat only SRS generated** incinerable hazardous, low level radioactive, and mixed wastes. Waste to be treated will be in both solid and liquid form. Wastes to be treated will include both listed and characteristic hazardous wastes. The wastes to be treated are generated primarily as a result of the routine operation of the SRS. The maximum feed rates are:

PCC HHV	385 lb/hr
SCC HHV	191 lb/hr
PCC LHV	950 lb/hr
<u>PCC Solid</u>	<u>900 lb/hr</u>
Total	2426 lb/hr

2426 lb/hr*(1 ton/2000lb) = 1.213 tons/hr
maximum feed rate capacity for the CIF.

XV. MAP

<u>FACILITY</u>	3302 SERIES TOPOGRAPHIC <u>MAP IDENTIFICATION</u>	TAB MAP <u>IS LOCATED</u>
Hazardous Waste Storage Facility (Building 645-N, -4N, SWSP 1-3)	673, 702, 703, 704, 732 733, 734, 762, 763, 764	E
Hazardous Waste Storage Fac. (Building 645-2N)	673, 702, 703, 704, 732 733, 734, 762, 763, 764	E
Hazardous Waste Storage Fac. (Building 710-B)	941, 970, 971, 972, 1001 911	F AG
F-Area HWMF	793, 822, 823, 824, 853 Note 1	G
H-Area HWMF (764, 765, 793, 794, 795 796, 824, Note 1 825	H H AH
M-Area HWMF	1121, 1122, 1123, 1092 1151, Note 1	I
Mixed Waste Storage Building 643-29E	S5-6-577, S5-6-575 fig 3, fig A-3	L
Mixed Waste Oil (Tritiated) Storage Tank S-32	S5-6-577, S5-6-575 fig 3, fig A-3	L
Transuranic (TRU) Waste Pads 1-5	GB0300, GB0380	N
Transuranic (TRU) Waste Pads 6-13	GB0300, GB0380	N
SRTC Mixed Waste Storage Tanks	See Figure 1; 1153	R

XV. MAPS (Continued)

<u>FACILITY</u>	3302 SERIES TOPOGRAPHIC <u>MAP IDENTIFICATION*</u>	<u>TAB MAP IS LOCATED</u>
Mixed Waste Management Facility (643-28E)	GB0300 GB0380	S
Metallurgical Laboratory HWMF (A-Area)	1123, 1153	T
Consolidated Incineration Facility	W836347, W836348, W836349	V
TRU Pads 14-19	GB0300, GB0380	N
ETWAF/WCF	See Map, 6/26/87	Z
Mixed Waste Storage Building 643-43E	See Figure 1	AA
Waste Storage Pads 20-22	GB0300, GB0380	N
Burial Ground Solvent Tanks S23-S30	See Map (fig. B-3)	AB
Mixed Waste Storage Shed, Bldg. 316-M	3302-1153 See Figure 1	AF

XVI. FACILITY DRAWINGS (Continued)

FACILITY

DRAWING
IDENTIFICATION**

SRTC Mixed Waste Storage Tanks	W156961, ST5 24316 W156962 ST5 23444, W156960 Figure 2, Tab R
Mixed Waste Management Facility	See Figures, Tab S S5-6-577, Tab L
Metallurgical Laboratory (A-Area)	See Figures B-3 and E-10, HWMF Tab T
Consolidated Incineration Facility	W833070, W833071, W833072 W833073, W833074, W836374 W836375, W836376, W836377
TRU Pads 14-19	See Figure 1, S5-6-1402, Tab N
ETWAF/WCF	S5-6-1524, S5-6-1165 S5-6-1166, S5-6-1526 See Figure 1, Tab Z
Mixed Waste Storage Building 643-43E	WMT-900221
Burial Ground Solvent Tanks S23 - S30	S5-6-654, S5-6-655

XVI. FACILITY DRAWINGS (Continued)

FACILITY

DRAWING
IDENTIFICATION**

Mixed Waste Storage Shed, Bldg. 316-M

W740671, W739177

Sanitary Landfill

S5-6-1698, S5-6-637, S5-6-1050

Solvent Storage Tanks S33 - S36

See Figures 1 and 2, Tab AH

M Area Pad, Building 315-4M

TAB AL, S5-3-5872, 4/5/89,
3154MPAD.DGN, Rev 0
S5-3-3877, Rev 22,
S5-3-5871, Rev 1
S5-3-5870, 4/5/89

** To support EPA Form 8700-23,, Item XVI.

XVII. PHOTOGRAPHS

<u>FACILITY</u>	<u>PHOTOGRAPH IDENTIFICATION***</u>	<u>Negative #</u>
Hazardous Waste Storage Facility (Building 645-N, -4N, SWSP 1-3)	See Tab E	39484-2 39484-3
Hazardous Waste Storage Fac. (Building 645-2N)	See Tab E	-
Hazardous Waste Storage Fac. (Building 710-B)	See Tab F	39484-1
F-Area HWMF	See Tab G	4134-26 -----
H-Area HWMF	See Tab H	4134-50 -----
M-Area HWMF	See Tab I	4133-17 94-1050-17
Mixed Waste Storage Building 643-29E	See Tab K	-
Mixed Waste Oil (Tritiated) Storage Tank S-32	See Tab L	-
Transuranic (TRU) Waste Pads 1-5	See Tab N	30731-8 --
Transuranic (TRU) Waste Pads 6-13	See Tab N	--
SRTC Mixed Waste Storage 11592-24 Tanks	See Tab R	1 1 11952-16

XVII. PHOTOGRAPHS (Continued)

<u>FACILITY</u>	<u>PHOTOGRAPHS IDENTIFICATION***</u>	<u>Negative #</u>
Mixed Waste Management Facility (643-28E)	See Tab S	89-2078-13
Metallurgical Laboratory HWMF (A-Area)	See Tab T	----- ----- 92-1826-1 92-1826-7
Consolidated Incineration Facility	See Tab V	Artist Rendition
TRU Pads 14-19	See Tab N	89-2078-13
ETWAF/WCF	See Tab Z, Page 3	89-1907-3
Mixed Waste Storage Building 643-43E	See Tab AA, Page 2	--
Waste Storage Pads 20-22	See Tab AB, Page 2	89-2078-13
Burial Ground Solvent Tanks S23 - S30	See Tab AD, Page 2	31587-2
Mixed Waste Storage Shed, Bldg. 316-M	See Tab AF, Page 2 See Tab AF, Page 3	15875-12 15875-11

*** To support EPA Form 8700-23, Item XVII.

XVII. PHOTOGRAPHS (Continued)

<u>FACILITY</u>	<u>PHOTOGRAPHS IDENTIFICATION***</u>	<u>Negative #</u>
Sanitary Landfill	See Tab AG, Page 5	90-1253-15
	See Tab AG, Page 6	90-1253-9
Solvent Storage Tanks S33 - S36	See Tab AH, Page 2	92-1351-1


M-Area Pad, Building 315-4M

See Tab AL, Pg 2-5

*** To support EPA Form 8700-23, Item XVII.

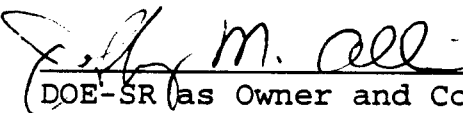
XVIII. CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



WSRC as Co-Operator
G. T. Wright, Manager
Savannah River Technology Center

2/12/04
Date Signed



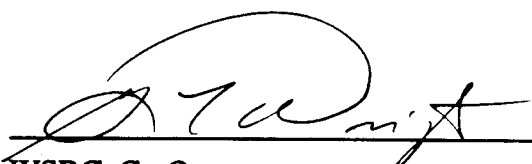
DOE-SR as Owner and Co-Operator
Jeffrey M. Allison
Manager

3/18/04
Date Signed

K. CERTIFICATION

[REF: R.61-79.270.11]

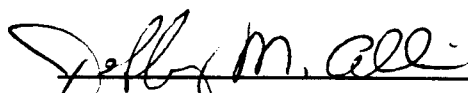
"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."



WSRC, Co-Operator
G. T. Wright, Manager
Savannah River Technology Center

2/12/04

Date Signed



DOE-SR; Owner and Co-Operator
Jeffrey M. Allison
Manager

3/18/04

Date Signed

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UNIT NAME: NEW SOLVENT TANKS

BLDG. NO.: 607-33H, 34H, 35H, 36H

UNIT TYPE: TANK

SRS
COORDINATES: N/A

REG. RCRA: INTERIM STATUS
AUTHORITY:

DIMENSION: 44 FT X 12 FT

WASTE TYPE: MIXED

STATUS: ACTIVE

CAPACITY: 4-30,000 GALLON TANKS

DATE
ACTIVE: 1996 TO PRESENT

MATERIALS OF
CONSTRUCTION: STEEL, DOUBLE WALLED

WASTE
DESCRIPTION: PUREX SOLVENT CONTAINING:
N-BUTYL PARAFFIN
TRIBUTYL PHOSPHATE
TRACE METALS
RADIONUCLIDES

CORRECTIVE
ACTIONS: THIS UNIT IS LISTED IN APPENDIX H, REGULATED UNITS OF THE FEDERAL FACILITY AGREEMENT AS
"LIQUID WASTE SOLVENT TANKS S33-S36".

UNIT NAME: SRTC MIXED WASTE STORAGE TANKS

BLDG. NO.: 776-A

UNIT TYPE: TANKS

SRS
COORDINATES: N107000 E52000

REG. RCRA/CERCLA
AUTHORITY: FFA

DIMENSION: 10 FT DIA. X 11 FT
8 FT DIA. X 11 FT
12 FT DIA. X 11 FT, 7 IN.

WASTE TYPE: HAD - Sample returns, Radioactive
LAD - Non-hazardous, Radioactive

STATUS: ACTIVE

CAPACITY: 7 5,900-GAL BELOW-GRADE TANKS
3 3,670-GAL BELOW-GRADE TANKS
1 10,000-GAL ABOVE-GRADE TANK

DATE
ACTIVE: 1954 - PRESENT

MATERIALS OF
CONSTRUCTION: 304L STAINLESS STEEL

WASTE
DESCRIPTION: HAD TANKS RECEIVE RADIOACTIVE LIQUID SAMPLES FROM THE TECHNICAL AREA LABORATORY OPERATIONS THAT ARE RETURNED TO 200 F. THE LAD TANKS RECEIVE NON-HAZARDOUS RADIOACTIVE LIQUID WASTE FROM THE TECHNICAL AREA LABORATORY OPERATIONS. THE WASTE IS TRANSFERRED TO ETF. THE WASTE QUANTITY VARIES. THE 10,000 GALLON ABOVE GRADE TANK IS INACTIVE.

CORRECTIVE
ACTIONS: THESE UNITS ARE LISTED IN APPENDIX C OF THE FEDERAL FACILITY AGREEMENT.